

INTERNATIONAL SEARCH REPORT

Inter : Application No
PCT/IB2004/051164

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05B19/19 G11B7/085 G11B7/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G05B G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	YAMAGUCHI T ET AL: "Recent control technologies for fast and precise servo system of hard disk drives" ADVANCED MOTION CONTROL, 2000. PROCEEDINGS. 6TH INTERNATIONAL WORKSHOP ON MARCH 30 - APRIL 1, 2000, PISCATAWAY, NJ, USA, IEEE, 30 March 2000 (2000-03-30), pages 69-73, XP010507953 ISBN: 0-7803-5976-3	1,8-17, 24-32
Y	* section: "5. Recent Technologies for Smooth Settling" *	2-7, 18-23
Y	EP 0 387 224 A (INTERNATIONAL BUSINESS MACHINES CORPORATION) 12 September 1990 (1990-09-12) the whole document	2-7, 18-23
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

28 April 2005

Date of mailing of the international search report

13/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	YAMAGUCHI T ET AL: "IMPROVEMENT OF SETTLING RESPONSE OF DISK HEAD POSITIONING SERVO USING MODE SWITCHING CONTROL WITH INITIAL VALUE COMPENSATION" IEEE TRANSACTIONS ON MAGNETICS, IEEE INC. NEW YORK, US, vol. 32, no. 3, May 1996 (1996-05), pages 1767-1772, XPO00657882 ISSN: 0018-9464 the whole document	1,8-12, 16,17, 24-28,32
A	US 2002/171967 A1 (SZITA GABOR) 21 November 2002 (2002-11-21) the whole document	1,2,13, 14, 16-18, 29,30,32
A	US 3 696 354 A (GASTON ALBERT PALOMBO ET AL) 3 October 1972 (1972-10-03) the whole document	1,17

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inten

Application No

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			DE 69020926 D1	24-08-1995
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			EP 0387224 A2	12-09-1990
			JP 2273810 A	08-11-1990
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US 2002171967	A1	21-11-2002	NONE	
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